UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MLRA REGION 11
Indianapolis, Indiana 46278

FIRST AMENDMENT TO THE NOVEMBER 1979 CLASSIFICATION AND CORRELATION OF THE SOILS OF CASS COUNTY, INDIANA

JUNE 2003

This amendment results from digitizing the Cass County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 7th Edition, 1996 and 8th Edition, 1998.

AMENDMENT NO. 1

Page 12 – Replace the Classification of the Soils table with the table on page 2.

The following series and taxadjuncts have been updated to the 7th edition of the Keys to Soil Taxonomy. These series require fieldwork and review before updating to the 8th edition of the Keys to Soil Taxonomy.

*Bloomfield---Mixed, mesic Psammentic Hapludalfs
Gessie variant---Fine-loamy over sandy or sandy-skeletal, mixed (calcareous), mesic Typic Udifluvents
*Kosciusko---Fine-loamy, mixed, mesic Typic Hapludalfs
*Newglarus---Fine-silty over clayey, mixed, mesic Typic Hapludalfs
*Sleeth---Fine-loamy, mixed, mesic Aeric Endoaqualfs
Stonelick---Coarse-loamy, mixed (calcareous), superactive, mesic Typic Udifluvents
Wawasee---Fine-loamy, mixed, mesic Typic Hapludalfs

Page 5 - Addition

-Add Map Unit Symbol and Name: W - Water

Add the map unit symbol name "W - Water" for water acres less than 40 acres in size and water areas more than 40 acres in size.

Page 6 – Addition

-Add UWT - Unclassified water to the 37A. Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2.0 acres.

-Add ESO - Escarpment, other than bedrock to the 37A. A relatively continuous and steep slope or cliff that generally is produced by erosion but can be produced by faulting, which breaks the continuity of more gently sloping land surfaces. Exposed earthy material is non-soil or very shallow soil.

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Table 4.--Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Ackerman	Sandy, mixed, mesic Histic Humaquepts
*Bloomfield	Mixed, mesic Psammentic Hapludalfs
Blount	Fine, illitic, mesic Aeric Epiaqualfs
Chelsea	Mixed, mesic Lamellic Udipsamments
Crosier	Fine-loamy, mixed, active, mesic Aeric Epiaqualfs
Cyclone	Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Fincastle	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
Gessie variant	Fine-loamy over sandy or sandy-skeletal, mixed (calcareous), mesic Typic Udifluvents
*Gilford	Coarse-loamy, mixed, superactive, mesic Typic Endoaquolls
Glynwood	Fine, illitic, mesic Aquic Hapludalfs
Hennepin	Fine-loamy, mixed, active, mesic Typic Eutrudepts
Houghton	Euic, mesic Typic Haplosaprists
*Kosciusko	Fine-loamy, mixed, mesic Typic Hapludalfs
*Maumee	Sandy, mixed, mesic Typic Endoaquolls
Metea	Loamy, mixed, active, mesic Arenic Hapludalfs
Miami	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Millsdale	Fine, mixed, active, mesic Typic Argiaquolls
Morley	Fine, illitic, mesic Oxyaquic Hapludalfs
Morocco	Mixed, mesic Aquic Udipsamments
*Newglarus	Fine-silty over clayey, mixed, mesic Typic Hapludalfs
Oakville	Mixed, mesic Typic Udipsamments
Ormas	Loamy, mixed, active, mesic Arenic Hapludalfs
Patton	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Rensselaer	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Riddles	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Rush	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Russell	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Shoals	Fine-loamy, mixed, superactive, nonacid, mesic Fluvaquentic Endoaquepts
*Sleeth	Fine-loamy, mixed, mesic Aeric Endoaqualfs
Starks	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Stonelick	Coarse-loamy, mixed (calcareous), superactive, mesic Typic Udifluvents
Wawasee	Fine-loamy, mixed, mesic Typic Hapludalfs
Xenia	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs

NRCS SOILS 37A
Indiana Offical 37A For
Compilation, Digitizing and DMF
June 28, 2001

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

CULTURAL FEATURES

BOUNDARIES

- National, state, or province
- County or parish
- Minor civil division
- Reservation (Military)
- Land grant (Optional)

OTHER BOUNDARY (label)

- Airport (Label only) — Davis Airport or Airstrip

LAND DIVISION CORNERS
(section and land grants)

GEOGRAPHIC COORDINATE TICK

ROAD EMBLEMS & DESIGNATIONS

- Interstate — 79, 79 / 346
- Federal — 410, 410 / 224
- State — 62, 62 / 347

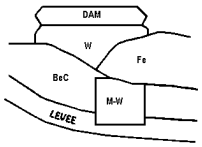
HYDROGRAPHIC FEATURES

STREAMS

- ‡Double line
- Unclassified (single line)
- Drainage end

SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO

SOIL DELINEATIONS AND SYMBOLS



LANDFORM FEATURES

ESCARPMENTS

- Bedrock
- Other than bedrock
- SHORT STEEP SLOPE
- GULLY

LEVEES

- ‡Single side slope (showing actual feature location)
- DEPRESSION, closed
- SINKHOLE

EXCAVATIONS

PITS

- Borrow pit
- Gravel pit
- Mine or quarry

MISCELLANEOUS SURFACE FEATURES

- Blowout
- Clay spot
- Gravelly spot
- Marsh or swamp
- Rock outcrop (includes sandstone and shale)
- Sandy spot
- Severely eroded spot
- Slide or slip
- Spoil area
- Stony spot
- Very stony spot
- Wet spot

SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO

RECOMMENDED AD HOC SOIL SYMBOLS

SYMBOL_ID		SYMBOL_ID	
DCS 1		CRO 23	
DKS 2		MIA 24	
OVW 3		CGM 25	
VMS 4		26	
EAS 5		27	
MAS 6		28	
SAS 7		29	
CAF 8		MUC 30	
CAL 9		31	
SLR 10		32	
DUM 11		33	
BRV 12		34	
BRM 13		MRL 35	
BRD 14		36	
OBR 15		37	
SSR 16		38	
LBR 17		39	
WDP 18		VSE 40	
SBR 19		41	
COB 20		42	
CNS 21		43	
FES 22		UWT 44	

‡ Denotes SSURGO features and symbol.

Approval Signatures

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